

SUMMARY OF GRANT and CONTRACT PROGRAMS

| Program | Web Page | Sponsor | Funding Source | Activity Supported | Terms of Support | Funding / period |
|---|--|---|--|---|---|-------------------|
| <i>Advanced Technology Program</i> | www.atp.nist.gov/ | National Institute of Standards & Technol. (NIST) | NIST | Early R&D (not product development) | < 50% cost share | \$155 M / year |
| <i>California Clean Energy Fund (CalCEF)</i> | www.calcef.org | CalCEF | PG&E bankruptcy settlement | Venture capital | 50% cost share | \$30 M |
| <i>California Solar Initiative</i> | www.gosolarcalifornia.ca.gov/ | Calif. Public Utilities Commission (CPUC) | Investor-owned utility ratepayers | Incentives for photovoltaics in com'l bldgs. & existing homes | For >100 kW: \$.03 - \$.50 / kW-hr For <10 kW: \$0.20 - \$3.25 / watt | \$2.2 B / 10 yrs |
| <i>California Solar Initiative R&D</i> | www.cpuc.ca.gov/static/energy/solar/070216_cs_i_rddplan.htm | Calif. Public Utilities Commission (CPUC) | Investor-owned utility ratepayers | Research, R&D, demonstration, deployment | | \$50 M / 10 years |
| <i>Carl Moyer Program</i> | www.arb.ca.gov/msprog/moyer/moyer.htm | Calif. Air Resources Board & air quality management districts | Vehicle reg. fees, tire disposal fees, "Smog-check" fees, State grants | Incentive | Incentive ≤ cost of emission reduction. Determined by granting agency. | \$1.4B / 10years |
| <i>Driveclean (directory of incentives)</i> | www.driveclean.ca.gov/en/gv/driveclean/demoproq.asp | Federal, regional, and local gov'ts | Particular to the agency offering incentives | Incentives for buying EV, CNG & hybrid vehicles | Particular to the agency offering incentives | |
| <i>Grants.gov (directory of federal grants)</i> | www.grants.gov/search/category.do | Various federal agencies | | Various | | |
| <i>Innovative Clean Air Technologies (ICAT)</i> | www.arb.ca.gov/research/icat/icat.htm | Calif. Air Resources Board (ARB) | Research Division | Field demonstration | ≤ 50% cost share | \$1M / year |
| <i>New Solar Homes Partnership</i> | www.gosolarcalifornia.ca.gov/nshp/index.html | Calif. Energy Commission (CEC) | | Incentive | | \$400 M / 10years |
| <i>Public Interest Energy Research (PIER)</i> | www.energy.ca.gov/pier/index.html | Calif. Energy Commission (CEC) | Investor-owned utility ratepayers | R&D and demonstration | | \$62M / year |
| <i>Low Emission School Bus Program</i> | www.arb.ca.gov/msprog/schoolbus/schoolbus.htm | State of California | State bond | Incentive | | \$200M (total) |
| <i>SBIR & STTR</i> | www.science.doe.gov/sbir | US Department of Energy (DOE) | 2.8% of DOE's extramural R&D budget | Research, R&D | | \$102M / 2005 |
| <i>Stanford GCEP</i> | gcep.stanford.edu/research/areas.html | Stanford University | Toyota, GE, Exxon-Mobil, Schlumberger | Research | Recipients are subcontractors to Stanford. Supports only academic research. | \$225 / 10years |
| <i>Technology Advancement Program</i> | www.aqmd.gov/tao/About/Index.html | So. Coast Air Quality Management District (SCAQMD) | Vehicle reg. fees, violation settlements, State & fed'l grants | R&D, demonstration, incentives | cost sharing | \$9M-\$15M / year |

| Program | <u>Eligible Sectors</u> | | | | | Avg. Grant | Annual grants / applicants |
|---|-------------------------|-----------------|--|---------------|---------------------------|--|----------------------------|
| | Ag. & Forest | Electricity | New Techn. | Residential | Transport. | | |
| <i>Advanced Technology Program</i> | | | Materials, chemicals, biotech. manufacturing | | | \$2.5 M | 11% |
| <i>California Clean Energy Fund (CalCEF)</i> | | | renewable fuels, energy eff'cy, energy storage | | | | |
| <i>California Solar Initiative</i> | | Photovoltaics | | Photovoltaics | | n/a | First-come, first-served |
| <i>California Solar Initiative R&D</i> | | Photovoltaic DG | | | | No experience yet | |
| <i>Carl Moyer Program</i> | Pumps | | | | Commercial & gov't fleets | Buses, agr. eq. & pumps: \$12K/unit Marine & constr. eq.: \$50K/veh | |
| <i>Driveclean (directory of incentives)</i> | | | | | EVs, hybrids, CNG | Particular to the agency offering incentives | |
| <i>Grants.gov (directory of federal grants)</i> | | | All sectors are eligible | | | Particular to the agency offering grants | |
| <i>Innovative Clean Air Technologies (ICAT)</i> | | | Emission control or prevention | | | \$200,000 | 5% to 10% |
| <i>New Solar Homes Partnership</i> | | Photovoltaics | | | | No experience yet | |
| <i>Public Interest Energy Research (PIER)</i> | | | All sectors are eligible | | | Varies by program area (10 programs) | |
| <i>Low Emission School Bus Program</i> | | | | | Clean school buses | No experience yet | |
| <i>SBIR & STTR</i> | | | All sectors are eligible | | | Res'rch: <\$100K R&D: <\$750K | Varies by agency |
| <i>Stanford GCEP</i> | | | All sectors are eligible | | | \$1.2 million | |
| <i>Technology Advancement Program</i> | | | Low-NOx combustion | | Clean fuels & vehicles | range:\$6,000 to \$3 million | miyasoto |